-> file medicine
FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 38.80 39.01

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CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)
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'RN' IS NOT A VALID FIELD CODE
  13 FILES SEARCHED...
'RN' IS NOT A VALID FIELD CODE
  16 FILES SEARCHED...
'RN' IS NOT A VALID FIELD CODE
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Zhao, Twymon, Choi, You Coxdon, Roberts Brym PD 2/27/01 24 FILES SEARCHED... 'RN' IS NOT A VALID FIELD CODE 34 FILES SEARCHED... 24 L1 OR L2 OR L3 OR L4 OR L5 OR L6 OR L7 OR L8 OR L9 OR L10 OR L23L11 OR L12 OR L13 OR L14 OR L15 OR L16 OR L17 OR L18 OR L19 OR L20 OR L21 OR L22 => dup rem ENTER L# LIST OR (END):123 DUPLICATE IS NOT AVAILABLE IN 'ADISINSIGHT, ADISNEWS, DGENE, DRUGLAUNCH, DRUGMONOG2, KOSMET, MEDICONF, NUTRACEUT, PCTGEN, PHARMAML'. ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE PROCESSING COMPLETED FOR L23 20 DUP REM L23 (4 DUPLICATES REMOVED) => d 124 1-20 ibib, kwic L24 ANSWER 1 OF 20 CAPLUS COPYRIGHT 2003 ACS on STN ACCESSION NUMBER: 2003:76598 CAPLUS DOCUMENT NUMBER: 138:117665 Carbamate compounds for use in preventing or treating TITLE: neuropathic pain and clusters and migraine headache-associated pain Codd, Ellen C.; Plata-Salaman, Carlos R.; Zhao, Boyu INVENTOR(S): Ortho-McNeil Pharmaceutical, Inc., USA PATENT ASSIGNEE(S): PCT Int. Appl., 34 pp. SOURCE: CODEN: PIXXD2 DOCUMENT TYPE: Patent LANGUAGE: English FAMILY ACC. NUM. COUNT: PATENT INFORMATION: APPLICATION NO. DATE PATENT NO. KIND DATE _____ ---------WO 2000-US221897 20020711 WO 2003007934 A1 20030130 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG US 2003083372 A1 20030501 US 2002-193600 20020711 US 2001-305636P P 20010716 PRIORITY APPLN. INFO.: OTHER SOURCE(S): MARPAT 138:117665 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE COUNT:

194085-57-9 194085-57-9D, racemic mixts. or enantiomers 194085-58-0

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL

(Biological study); USES (Uses)

(carbamate compds. for use in preventing or treating neuropathic pain and clusters and migraine headache-assocd. pain)

L24 ANSWER 2 OF 20 USPATFULL on STN

2003:120888 USPATFULL ACCESSION NUMBER:

Carbamate compounds for use in preventing or treating TITLE:

neuropathic pain and cluster and migraine

headache-associated pain

Codd, Ellen C., Blue Bell, PA, UNITED STATES INVENTOR(S):

Plata-Salaman, Carlos R., Ambler, PA, UNITED STATES

Zhao, Boyu, Lansdale, PA, UNITED STATES

NUMBER KIND DATE ______

US 2003083372 A1 20030501 US 2002-193600 A1 20020711 PATENT INFORMATION:

US 2002-193600 A1 20020711 (10) APPLICATION INFO.:

> NUMBER DATE ______

US 2001-305636P 20010716 (60) PRIORITY INFORMATION:

DOCUMENT TYPE: Utility APPLICATION FILE SEGMENT:

AUDLEY A. CIAMPORCERO JR., JOHNSON & JOHNSON, ONE LEGAL REPRESENTATIVE:

JOHNSON & JOHNSON PLAZA, NEW BRUNSWICK, NJ, 08933-7003

NUMBER OF CLAIMS: 40 EXEMPLARY CLAIM: 1 757 LINE COUNT:

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 194085-57-9 194085-57-9D, racemic mixts. or enantiomers

194085-58-0

(carbamate compds. for use in preventing or treating neuropathic pain

and clusters and migraine headache-assocd. pain)

L24 ANSWER 3 OF 20 USPATFULL on STN DUPLICATE 1

ACCESSION NUMBER: 2002:295223 USPATFULL

TITLE: CARBAMATE COMPOUNDS FOR USE IN PREVENTING OR TREATING

PSYCHOTIC DISORDERS

Plata-Salaman, Carlos R., Ambler, PA, UNITED STATES INVENTOR(S):

Zhao, Boyu, Lansdale, PA, UNITED STATES

Twyman, Roy E., Doylestown, PA, UNITED STATES

KIND DATE NUMBER ______ US 2002165272 A1 20021107 PATENT INFORMATION: US 6541513 B2 20030401 US 2002-81761 A1 20020221 (10) APPLICATION INFO.:

NUMBER DATE -----

PRIORITY INFORMATION: US 2001-271889P 20010227 (60)

DOCUMENT TYPE: Utility FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: AUDLEY A. CIAMPORCERO JR., JOHNSON & JOHNSON, ONE

JOHNSON & JOHNSON PLAZA, NEW BRUNSWICK, NJ, 08933-7003

NUMBER OF CLAIMS: 22 EXEMPLARY CLAIM: 1

LINE COUNT: 733

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **194085-58-0** 194085-75-1

(Ph carbamate compds. for use in preventing or treating psychotic

disorders)

L24 ANSWER 4 OF 20 USPATFULL on STN DUPLICATE 2

ACCESSION NUMBER:

2002:273457 USPATFULL

TITLE:

Carbamate compounds for use in preventing or treating

movement disorders

INVENTOR(S): Plata-Salaman, Carlos R., Ambler, PA, UNITED STATES

Zhao, Boyu, Lansdale, PA, UNITED STATES

Twyman, Roy E., Doylestown, PA, UNITED STATES

KIND DATE NUMBER _______ PATENT INFORMATION: US 2002151585 A1 20021017 US 6589985 B2 20030708 APPLICATION INFO.: US 2002-81501 A1 20020221 (10)

> NUMBER DATE

PRIORITY INFORMATION: US 2001-271683P 20010227 (60)

DOCUMENT TYPE: Utility

APPLICATION FILE SEGMENT:

AUDLEY A. CIAMPORCERO JR., JOHNSON & JOHNSON, ONE LEGAL REPRESENTATIVE:

JOHNSON & JOHNSON PLAZA, NEW BRUNSWICK, NJ, 08933-7003

NUMBER OF CLAIMS: 23 EXEMPLARY CLAIM: 1 709 LINE COUNT:

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **194085-58-0** 194085-75-1

(Ph carbamate compds. for use in preventing or treating movement

disorders)

L24 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2003 ACS on STN

2002:675831 CAPLUS ACCESSION NUMBER:

137:179915 DOCUMENT NUMBER:

Phenyl carbamate compounds for use in preventing or TITLE:

treating psychotic disorders

Plata-Salaman, Carlos R.; Zhao, Boyu; Twyman, Roy E. INVENTOR(S):

Ortho-McNeil Pharmaceutical, Inc., USA PATENT ASSIGNEE(S):

PCT Int. Appl., 31 pp. SOURCE:

CODEN: PIXXD2

DOCUMENT TYPE: Patent English LANGUAGE:

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

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APPLICATION NO. DATE
PATENT NO.
             KIND DATE
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                                 WO 2002-US6119 20020221
WO 2002067927
              A1 20020906
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       CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
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US 2002165272
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US 6541513
                B2
                     20030401
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PRIORITY APPLN. INFO.:

US 2001-271889P P 20010227 US 2002-81761 A 20020221

OTHER SOURCE(S):

MARPAT 137:179915

REFERENCE COUNT: THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

194085-75-1 TΤ 194085-58-0

disorders)

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(Ph carbamate compds. for use in preventing or treating psychotic

L24 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER:

2002:675830 CAPLUS

DOCUMENT NUMBER:

137:179914

TITLE:

Phenyl carbamate compounds for use in preventing or

treating movement disorders

INVENTOR(S): PATENT ASSIGNEE(S): Plata-Salaman, Carlos R.; Zhao, Boyu; Twyman, Roy E.

Ortho-McNeil Pharmaceutical, Inc., USA

SOURCE:

PCT Int. Appl., 27 pp.

DOCUMENT TYPE:

CODEN: PIXXD2

LANGUAGE:

Patent English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

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PATENT NO.
                KIND DATE
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WO 2002067926
                A1
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                       A1
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                            20030708
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PRIORITY APPLN. INFO.:
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                         MARPAT 137:179914
OTHER SOURCE(S):
                               THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
REFERENCE COUNT:
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     194085-58-0
                   194085-75-1
IT
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     (Biological study); USES (Uses)
        (Ph carbamate compds. for use in preventing or treating movement
        disorders)
     ANSWER 7 OF 20 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER:
                         2002:675829 CAPLUS
                         137:179913
DOCUMENT NUMBER:
                         Phenyl carbamate compounds for use in preventing or
TITLE:
                         treating neurodegenerative disorders
                         Plata-Salaman, Carlos R.; Zhao, Boyu; Twyman, Roy E.
INVENTOR(S):
                         Ortho-McNeil Pharmaceutical, Inc., USA
PATENT ASSIGNEE(S):
SOURCE:
                         PCT Int. Appl., 34 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:
                         Patent
LANGUAGE:
                         English
FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
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                                            WO 2002-US5541
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PRIORITY APPLN. INFO.:
                                         US 2001-271682P P 20010227
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REFERENCE COUNT:
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                   194085-75-1
     RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
     (Biological study); USES (Uses)
        (Ph carbamate compds. for use in preventing or treating
        neurodegenerative disorders)
    ANSWER 8 OF 20
                     CAPLUS COPYRIGHT 2003 ACS on STN
                         2002:675828 CAPLUS
ACCESSION NUMBER:
DOCUMENT NUMBER:
                         137:179912
                         Phenyl carbamate compounds for use in preventing or
TITLE:
                         treating bipolar disorder
                         Plata-Salaman, Carlos R.; Zhao, Boyu; Twyman, Roy E.;
INVENTOR(S):
                         Choi, Yong Moon; Gordon, Robert
PATENT ASSIGNEE(S):
                         Ortho-McNeil Pharmaceutical, Inc., USA
SOURCE:
                         PCT Int. Appl., 24 pp.
                         CODEN: PIXXD2
                         Patent
DOCUMENT TYPE:
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English LANGUAGE:

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

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PATENT NO.
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                                       US 2002-81606
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PRIORITY APPLN. INFO.:
                                      US 2002-81606
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OTHER SOURCE(S):
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REFERENCE COUNT: RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 194085-58-0

> RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(Ph carbamate compds. for use in preventing or treating bipolar disorder)

L24 ANSWER 9 OF 20 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2002:675827 CAPLUS

DOCUMENT NUMBER:

PATENT ASSIGNEE(S):

137:179911

TITLE:

Phenyl carbamate compounds for use in preventing or

treating anxiety disorders

INVENTOR(S):

Plata-Salaman, Carlos R.; Zhao, Boyu; Twyman, Roy E.

Ortho-McNeil Pharmaceutical, Inc., USA

SOURCE:

PCT Int. Appl., 30 pp. CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

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US	2002	1430	53	Α	1	2002	1003		U	S 20	02-8	1713		2002	0221			
PRIORIT	Y APP	LN.	INFO	.:				1	US 2	001-	2716	89P	P	2001	0227			
OTHER S	OURCE	(S):			MAR	PAT :	137:	1799	11									
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TΤ 194085-58-0 194085-75-1

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL

(Biological study); USES (Uses)

(Ph carbamate compds. for use in preventing or treating anxiety disorders)

L24 ANSWER 10 OF 20 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER:

2002:675826 CAPLUS

DOCUMENT NUMBER:

TITLE:

137:179910 Phenyl carbamate compounds for use in the treatment of acute or chronic pain

INVENTOR(S): Plata-Salaman, Carlos R.; Zhao, Boyu; Twyman, Roy E.

PATENT ASSIGNEE(S): Ortho-McNeil Pharmaceutical, Inc., USA

SOURCE: PCT Int. Appl., 28 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

· PATENT INFORMATION:

PA.	rent 1	NO.		KII	ND :	DATE			A	PPLI	CATI	ои ис	o. :	DATE				
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WO	2002	06792	22	A:	1	2002	0906		W	20	02-U	S542	1 .	2002	0221			
	W:	ΑE,	AG,	AL,	AM,	AT,	AU,	ΑZ,	BA,	BB,	BG,	BR,	BY;	ΒZ,	CA,	CH,	CN,	
		CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	ES,	FI,	GB,	GD,	GE,	GH,	
		GM,	HR,	HU,	ID,	ΙL,	IN,	IS,	JP,	ΚE,	KG,	ΚP,	KR,	ΚZ,	LC,	LK,	LR,	
		LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NO,	NZ,	ΟM,	PH,	
		PL,	PT,	RO,	RU,	SD,	SE,	SG,	SI,	SK,	SL,	ТJ,	TM,	TN,	TR,	TT,	TZ,	
		UΑ,	ŪĠ,	UΖ,	VN,	YU,	ZA,	ZM,	ZW,	AM,	ΑZ,	BY,	KG,	ΚZ,	MD,	RU,	TJ,	TM
	RW:	GH,	GM,	KE,	·LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	ΑT,	BE,	CH,	
		CY,	DE,	DK,	ES,	FI,	FR,	GB,	GR,	ΙE,	ΙT,	LU,	MC,	NL,	PT,	SE,	TR,	
		BF,	ВJ,	CF,	CG,	CI,	CM,	GA,	GN,	GQ,	GW,	ML,	MR,	ΝE,	SN,	TD,	TG	
US	2002	15612	27	A:	1	2002	1024		U	S 20	02-83	1943		2002	0221			

PRIORITY APPLN. INFO.:

US 2001-271888P P 20010227

OTHER SOURCE(S):

MARPAT 137:179910

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 194085-58-0 194085-75-1

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(Ph carbamate compds. for use in the treatment of acute or chronic pain)

L24 ANSWER 11 OF 20 USPATFULL on STN

ACCESSION NUMBER: 2002:338065 USPATFULL

TITLE: Carbamate compounds for

Carbamate compounds for use in preventing or treating

bipolar disorder

INVENTOR(S): Plata-Salaman, Carlos R., Ambler, PA, UNITED STATES

Zhao, Boyu, Lansdale, PA, UNITED STATES

Twyman, Roy E., Doylestown, PA, UNITED STATES Choi, Yong Moon, Towaco, NJ, UNITED STATES Gordon, Robert, Robbinsville, NJ, UNITED STATES

	NUMBER	KIND	DATE		
PATENT INFORMATION:	US 2002193433	A1	20021219		
APPLICATION INFO.:	US 2002-81606	A1	20020221		

NUMBER DATE

PRIORITY INFORMATION: US 2001-271680P 20010227 (60)

DOCUMENT TYPE: Utility FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: AUDLEY A. CIAMPORCERO JR., JOHNSON & JOHNSON, ONE

JOHNSON & JOHNSON PLAZA, NEW BRUNSWICK, NJ, 08933-7003

(10)

NUMBER OF CLAIMS: 17 EXEMPLARY CLAIM: 1 LINE COUNT: 577

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 194085-58-0

(Ph carbamate compds. for use in preventing or treating bipolar disorder)

L24 ANSWER 12 OF 20 USPATFULL on STN

ACCESSION NUMBER: 2002:295224 USPATFULL

TITLE: Carbamate compounds for use in preventing or treating

neurodegenerative disorders

INVENTOR(S): Plata-Salaman, Carlos R., Ambler, PA, UNITED STATES

Zhao, Boyu, Lansdale, PA, UNITED STATES

APPLICATION INFO.: US 2002-61/64 AT 20020221

NUMBER DATE

PRIORITY INFORMATION: US 2001-271682P 20010227 (60)

DOCUMENT TYPE: Utility FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: AUDLEY A. CIAMPORCERO JR., JOHNSON & JOHNSON, ONE

JOHNSON & JOHNSON PLAZA, NEW BRUNSWICK, NJ, 08933-7003

NUMBER OF CLAIMS: 32 EXEMPLARY CLAIM: 1 LINE COUNT: 873

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **194085-58-0** 194085-75-1

(Ph carbamate compds. for use in preventing or treating

neurodegenerative disorders)

L24 ANSWER 13 OF 20 USPATFULL on STN

ACCESSION NUMBER: 2002:280679 USPATFULL

TITLE: Carbamate compounds for use in the treatment of pain INVENTOR(S): Plata-Salaman, Carlos R., Ambler, PA, UNITED STATES

Zhao, Boyu, Lansdale, PA, UNITED STATES

Twyman, Roy E., Doylestown, PA, UNITED STATES

NUMBER . DATE

PRIORITY INFORMATION: US 2001-271888P 20010227 (60)

DOCUMENT TYPE: Utility FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: AUDLEY A. CIAMPORCERO JR., JOHNSON & JOHNSON, ONE

JOHNSON & JOHNSON PLAZA, NEW BRUNSWICK, NJ, 08933-7003

NUMBER OF CLAIMS: 27 EXEMPLARY CLAIM: 1 LINE COUNT: 656

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **194085-58-0** 194085-75-1

(Ph carbamate compds. for use in the treatment of acute or chronic

pain)

L24 ANSWER 14 OF 20 USPATFULL on STN

ACCESSION NUMBER: 2002:259477 USPATFULL

TITLE: Carbamate compounds for use in preventing or treating

anxiety disorders

INVENTOR(S): Plata-Salaman, Carlos R., Ambler, PA, UNITED STATES

Zhao, Boyu, Lansdale, PA, UNITED STATES

Twyman, Roy E., Doylestown, PA, UNITED STATES

. NUMBER DATE

PRIORITY INFORMATION: US 2001-271689P 20010227 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: AUDLEY A. CIAMPORCERO JR., JOHNSON & JOHNSON, ONE

JOHNSON & JOHNSON PLAZA, NEW BRUNSWICK, NJ, 08933-7003

NUMBER OF CLAIMS: 25 EXEMPLARY CLAIM: 1 732 LINE COUNT:

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 194085-58-0 194085-75-1

(Ph carbamate compds. for use in preventing or treating anxiety

disorders)

L24 ANSWER 15 OF 20 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 3

2001:781465 CAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER: 135:331265

Preparation of anticonvulsant halogen-substituted TITLE:

> carbamate compounds from 2-phenyl-1,2-ethanediol Choi, Yong Moon; Kim, Min Woo; Park, Jeonghan

Choi, Yong, USA PATENT ASSIGNEE(S):

U.S. Pat. Appl. Publ., 8 pp., Cont.-in-part of U.S. SOURCE:

Ser. No. 220,494, abandoned.

CODEN: USXXCO

DOCUMENT TYPE: LANGUAGE:

Patent English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

INVENTOR(S):

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2001034365	A1	20011025	US 2001-774736	20010131
US 5698588	Α	19971216	US 1996-586497	19960116
US 5854283	A	19981229	US 1997-781101	19970109
PRIORITY APPLN. INFO.	:		US 1996-586497 A2	19960116
			US 1997-781101 A3	19970109
			US 1998-220494 B2	19981223

OTHER SOURCE(S): CASREACT 135:331265; MARPAT 135:331265

194085-58-0P 194085-67-1P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(prepn. of anticonvulsant halogen-substituted carbamate compds. from 2-phenyl-1,2-ethanediol)

IT 194085-57-9P 194085-59-1P **194085-60-4P** 194085-61-5P 194085-62-6P 194085-63-7P

> 194085-64-8P 194085-65-9P 194085-66-0P 194085-68-2P 194085-69-3P 194085-70-6P

194085-74-0P. 194085-73-9P 194085-71-7P 194085-72-8P

194085-78-4P 194085-75-1P 194085-76-2P 194085-77-3P 194085-79-5P

194085-81-9P 194085-80-8P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of anticonvulsant halogen-substituted carbamate compds. from 2-phenyl-1,2-ethanediol)

L24 ANSWER 16 OF 20 USPATFULL on STN

ACCESSION NUMBER: 2000:131884 USPATFULL

TITLE: Halogen substituted carbamate compounds from

2-phenyl-1,2-ethanediol

INVENTOR(S): Choi, Yong Moon, Towaco, NJ, United States

> Kim, Min Woo, Montvale, NJ, United States Park, Jeonghan, Flanders, NJ, United States

PATENT ASSIGNEE(S): SK Corporation, Fairfield, NJ, United States (U.S.

corporation)

	NUMBER	KIND DATE	
PATENT INFORMATION:	US 6127412 ·	20001003	
APPLICATION INFO.:	US 1999-349852	19990708	(9

Continuation of Ser. No. US 1998-220494, filed on 23 RELATED APPLN. INFO.:

Dec 1998 which is a division of Ser. No. US

1997-781101, filed on 9 Jan 1997, now patented, Pat.

No. US 5854283, issued on 29 Dec 1998 which is a continuation-in-part of Ser. No. US 1996-586497, filed on 16 Jan 1996, now patented, Pat. No. US 5698588,

issued on 16 Dec 1997

DOCUMENT TYPE: Utility Granted FILE SEGMENT:

Shippen, Michael L. PRIMARY EXAMINER:

Gibbons, Del Deo, Dolan, Griffinger & Vecchione LEGAL REPRESENTATIVE:

NUMBER OF CLAIMS: 1 EXEMPLARY CLAIM: 561 LINE COUNT:

CAS INDEXING IS AVAILABLE FOR THIS PATENT. IT 194085-57-9P 194085-58-0P 194085-59-1P 194085-60-4P 194085-61-5P 194085-62-6P 194085-63-7P 194085-64-8P 194085-65-9P 194085-66-0P 194085-67-1P 194085-68-2P 194085-69-3P 194085-70-6P 194085-71-7P

> 194085-75-1P 194085-72-8P 194085-73-9P 194085-74-0P

194085-79-5P 194085-76-2P 194085-77-3P 194085-78-4P 194085-80-8P

194085-81-9P

(prepn. of 2-(halophenyl)-2-hydroxyethyl carbamate and dicarbamate antiepileptics and anticonvulsants)

L24 ANSWER 17 OF 20 USPATFULL on STN

2000:105942 USPATFULL ACCESSION NUMBER:

Halogen substituted carbamate compounds from TITLE:

2-phenyl-1, 2-ethanediol

Choi, Yong Moon, Towaco, NJ, United States INVENTOR (S):

Kim, Min Woo, Montvale, NJ, United States Park, Jeonghan, Flanders, NJ, United States

SK Corporation, Fairfield, NJ, United States (U.S. PATENT ASSIGNEE(S):

corporation)

NUMBER KINDDATE PATENT INFORMATION: US 6103759 20000815 APPLICATION INFO.: US 1999-349850 19990708

RELATED APPLN. INFO.: Continuation of Ser. No. US 1998-220494, filed on 23.

Dec 1998 which is a division of Ser. No. US

1997-781101, filed on 9 Jan 1997, now patented, Pat. No. US 5854283, issued on 29 Dec 1998 which is a continuation-in-part of Ser. No. US 1996-586497, filed on 16 Jan 1996, now patented, Pat. No. US 5698588,

(9)

issued on 16 Dec 1997

DOCUMENT TYPE: Utility FILE SEGMENT: Granted

PRIMARY EXAMINER: Shippen, Michael L.

Gibbons, Del Deo, Dolan, Griffinger & Vecchione LEGAL REPRESENTATIVE:

NUMBER OF CLAIMS: EXEMPLARY CLAIM: 1 LINE COUNT: 545

CAS INDEXING IS AVAILABLE FOR THIS PATENT. IT 194085-57-9P 194085-58-0P 194085-59-1P 194085-60-4P 194085-61-5P 194085-62-6P 194085-63-7P 194085-64-8P 194085-65-9P

194085-66-0P 194085-67-1P 194085-68-2P 194085-69-3P 194085-70-6P 194085-71-7P

194085-72-8P 194085-73-9P 194085-74-0P 194085-75-1P

194085-76-2P 194085-77-3P 194085-78-4P 194085-79-5P 194085-80-8P

194085-81-9P

(prepn. of 2-(halophenyl)-2-hydroxyethyl carbamate and dicarbamate antiepileptics and anticonvulsants)

L24 ANSWER 18 OF 20 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 4

ACCESSION NUMBER: 1999:27674 CAPLUS

DOCUMENT NUMBER: 130:81295

TITLE: Preparation of 1-halophenyl-1,2-ethanediol

(di)carbamates as anticonvulsants

INVENTOR(S): Choi, Yong Moon; Kim, Min Woo; Park, Jeonghan PATENT ASSIGNEE(S): Yukong Limited, S. Korea

SOURCE: U.S., 8 pp., Cont.-in-part of U.S. 5,698,588.

CODEN: USXXAM

DOCUMENT TYPE:

Patent English

LANGUAGE:
FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO. DATE
US 5854283	A	19981229	US 1997-781101 19970109
US 5698588	Α	19971216	US 1996-586497 19960116
CA 2242865	AA	19970724	CA 1997-2242865 19970116
CN 1208402	Α	19990217	CN 1997-191722 19970116
CN 1077567	В	20020109	•
RU 2171800	C2	20010810	RU 1998-115573 19970116
JP 2002515029	T2	20020521	JP 1997-525878 19970116
ES 2184058	T3	20030401	ES 1997-900794 19970116
US 6103759	Α	20000815	US 1999-349850 19990708
US 6127412	A	20001003	US 1999-349852 19990708
US 2001034365	A1	20011025	US 2001-774736 20010131
PRIORITY APPLN. INFO.	:		US 1996-586497 A2 19960116
			US 1997-781101 A 19970109
		•	WO 1997-KR6 W 19970116
			US 1998-220494 A1 19981223

OTHER SOURCE(S): MARPAT 130:81295

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 194085-57-9P 194085-58-0P 194085-59-1P 194085-60-4P 194085-61-5P 194085-62-6P 194085-63-7P 194085-64-8P 194085-65-9P 194085-66-0P 194085-67-1P 194085-68-2P 194085-69-3P 194085-70-6P 194085-71-7P 194085-72-8P 194085-73-9P 194085-75-1P

194085-72-8P 194085-73-9P 194085-75-1P 194085-76-2P 194085-77-3P 194085-78-4P 194085-79-5P 194085-80-8P 194085-81-9P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of 1-halophenyl-1,2-ethanediol (di)carbamates as anticonvulsants)

L24 ANSWER 19 OF 20 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1997:499169 CAPLUS

DOCUMENT NUMBER: 127:176276

TITLE: Preparation of 2-(halophenyl)-2-hydroxyethyl carbamate

and dicarbamate antiepileptics and anticonvulsants

INVENTOR(S): Choi, Yong Moon; Kim, Min Woo; Park, Jeong Han

PATENT ASSIGNEE(S): Yukong Ltd, S. Korea SOURCE: PCT Int. Appl., 29 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

Ρ.	ATENT NO.	KIND DATE	APPLICATION NO.	DATE
_				
W	0 9726241	A1 1997072	4 WO 1997-KR6	19970116
	W: AU, CA,	CN, JP, RU	•	
	RW: AT, BE,	CH, DE, DK, ES	, FI, FR, GB, GR, IE, IT,	LU, MC, NL, PT, SE
U.	S 5698588	A 1997121	6 US 1996-586497	19960116
A ³	U 9713205	Al 1997081	1 AU 1997-13205	19970116
A ¹	U 724812	B2 2000092	8	
E	P 907635	A1 1999041	4 EP 1997-900794	19970116
E	P 907635	B1 2002092	5	•
	R: BE, CH,	DE, ES, FR, GE	, IT, LI, SE	•
R	U 2171800	C2 2001081	0 RU 1998-115573	19970116
J	P 2002515029	T2 2002052	1 JP 1997-525878	19970116
PRIORI	TY APPLN. INFO	.:	US 1996-586497 A	19960116
J	U 2171800 P 2002515029	C2 2001081 T2 2002052	0 RU 1998-115573 1 JP 1997-525878	19970116

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US 1997-781101 A 19970109
WO 1997-KR6 W 19970116
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OTHER SOURCE(S): MARPAT 127:176276 194085-57-9P 194085-58-0P 194085-59-1P 194085-60-4P 194085-61-5P 194085-62-6P 194085-63-7P 194085-64-8P 194085-65-9P 194085-66-0P 194085-67-1P 194085-68-2P 194085-69-3P 194085-70-6P 194085-71-7P 194085-73-9P 194085-74-0P 194085-75-1P 194085-72-8P 194085-78-4P 194085-79-5P 194085-76-2P 194085-77-3P 194085-80-8P 194085-81-9P RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of 2-(halophenyl)-2-hydroxyethyl carbamate and dicarbamate antiepileptics and anticonvulsants) ANSWER 20 OF 20 USPATFULL on STN ACCESSION NUMBER: 97:118078 USPATFULL TITLE: Halogen substituted carbamate compounds from 2-phenyl-1,2-ethanediol INVENTOR (S): Choi, Yong Moon, Towaco, NJ, United States Kim, Min Woo, Montville, NJ, United States Yukong Limited, Seoul, Korea, Republic of (non-U.S. PATENT ASSIGNEE(S): corporation) NUMBER KIND DATE -----PATENT INFORMATION: US 5698588 19971216 APPLICATION INFO.: US 1996-586497 19960116 (8) DOCUMENT TYPE: Utility FILE SEGMENT: Granted PRIMARY EXAMINER: Shippen, Michael L. LEGAL REPRESENTATIVE: Abelman, Frayne & Schwab NUMBER OF CLAIMS: 7 EXEMPLARY CLAIM: 1,3 LINE COUNT: 351 CAS INDEXING IS AVAILABLE FOR THIS PATENT. IT 194085-57-9P 194085-58-0P 194085-59-1P 194085-60-4P 194085-61-5P 194085-62-6P 194085-63-7P 194085-64-8P 194085-65-9P 194085-66-0P 194085-67-1P 194085-68-2P 194085-69-3P 194085-70-6P 194085-71-7P 194085-72-8P 194085-73-9P 194085-74-0P 194085-75-1P 194085-76-2P 194085-77-3P 194085-78-4P 194085-79-5P 194085-80-8P 194085-81-9P (prepn. of 2-(halophenyl)-2-hydroxyethyl carbamate and dicarbamate antiepileptics and anticonvulsants) => s manic or bipolar or depressive or manic-depressive or psychotic 35 FILES SEARCHED... L25 548913 MANIC OR BIPOLAR OR DEPRESSIVE OR MANIC-DEPRESSIVE OR PSYCHOTIC => d his (FILE 'HOME' ENTERED AT 15:13:36 ON 02 SEP 2003) FILE 'REGISTRY' ENTERED AT 15:14:09 ON 02 SEP 2003 L1 0 S 194085580P/RN L20 S 194085-67-1P/RN L3 1 S 194085-58-0/RN L4 1 S 194085-67-1/RN

L5

L6

L7 L8

L9

1 S 194085-57-9/RN

1 S 194085-61-5/RN 1 S 194085-64-8/RN

1 S 194085-68-2/RN

1 S 194085-71-7/RN

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1 S 194085-60-4/RN
T.11
T.12
              1 S 194085-61-5/RN
T.13
              1 S 194085-62-6/RN
              1 S 194085-63-7/RN
T.14
              1 S 194085-64-8/RN
L15
              1 S 194085-65-9/RN
L16
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L17
L18
              1 S 194085-68-2/RN
              1 S 194085-69-3/RN
T.19
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L20
L21
              1 S 194085-71-7/RN
              1 S 194085-72-8/RN
L22
     FILE 'ADISCTI, ADISINSIGHT, ADISNEWS, BIOSIS, BIOTECHNO, CANCERLIT,
     CAPLUS, CEN, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, DRUGNL, DRUGU, EMBAL,
     EMBASE, ESBIOBASE, IFIPAT, IPA, JICST-EPLUS, KOSMET, LIFESCI, MEDICONF,
     MEDLINE, NAPRALERT, NLDB, NUTRACEUT, ...' ENTERED AT 15:21:54 ON 02 SEP
     2003
             24 S L1 OR L2 OR L3 OR L4 OR L5 OR L6 OR L7 OR L8 OR L9 OR L10 OR
L23
L24
             20 DUP REM L23 (4 DUPLICATES REMOVED)
L25
         548913 S MANIC OR BIPOLAR OR DEPRESSIVE OR MANIC-DEPRESSIVE OR PSYCHOT
=> s 124 and 125
             4 L24 AND L25
L26
=> d 126 ibib, kwic
                    CAPLUS COPYRIGHT 2003 ACS on STN
L26 ANSWER 1 OF 4
ACCESSION NUMBER:
                         2002:675831 CAPLUS
DOCUMENT NUMBER:
                         137:179915
TITLE:
                         Phenyl carbamate compounds for use in preventing or
                         treating psychotic disorders
INVENTOR(S):
                         Plata-Salaman, Carlos R.; Zhao, Boyu; Twyman, Roy E.
PATENT ASSIGNEE(S):
                         Ortho-McNeil Pharmaceutical, Inc., USA
SOURCE:
                         PCT Int. Appl., 31 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:
                         Patent
LANGUAGE:
                         English
FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
     PATENT NO.
                      KIND DATE
                                           APPLICATION NO. DATE
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                            _____
                                           -----
                                                            -----
     WO 2002067927
                      A1
                            20020906
                                           WO 2002-US6119
                                                            20020221
         W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
             PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
             UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
             CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     US 2002165272
                                           US 2002-81761
                       A1
                            20021107
                                                            20020221
     US 6541513
                       B2
                            20030401
PRIORITY APPLN. INFO.:
                                        US 2001-271889P P 20010227
                                        US 2002-81761 A 20020221
OTHER SOURCE(S):
                         MARPAT 137:179915
REFERENCE COUNT:
                               THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS
                               RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
TI
     Phenyl carbamate compounds for use in preventing or treating
     psychotic disorders
AB
     This invention is directed to a method for preventing or treating
     psychotic disorders comprising administering to a subject in need
     thereof a therapeutically effective amt. of a compd. selected from the
     group consisting of formula I and formula II wherein X with one to five
     halogen atoms selected from the group consisting of fluorine, chlorine,
     bromine and iodine; and, R1-R6 are independently selected from the group
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1 S 194085-60-4/RN

T-10

consisting of hydrogen and C1-C4 alkyl; wherein C1-C4 alkyl is optionally substituted with Ph (wherein Ph is optionally substituted with substituents independently selected from the group consisting of halogen, C1-C4 alkyl, C1-C4 alkoxy, amino, nitro and cyano). The psychotic disorders are selected from schizophrenia, schizophreniform disorder, schizo-affective disorder, delusional disorder, brief psychotic disorder, shared psychotic disorder, psychotic disorder due to a general medical condition, substance-induced psychotic disorder. The schizophrenia is selected from paranoid schizophrenia, hebephrenic schizophrenia, catatonic schizophrenia, undifferentiated schizophrenia, post-schizophrenic depression, residual schizophrenia, simple schizophrenia or unspecified schizophrenia. compds. I and II (x = ortho-Cl, R1-R6 = H) were tested in rats in preventing or treating psychotic disorders. The therapeutically effective amt. is from about 0.01 mg/Kg/dose to about 100 mg/Kg/dose. phenyl carbamate treating psychotic disorder human Human Schizophrenia (Ph carbamate compds. for use in preventing or treating

IT

ST

psychotic disorders)

IT Schizophrenia

> (catatonia; Ph carbamate compds. for use in preventing or treating psychotic disorders)

IT Mental disorder

> (depression; Ph carbamate compds. for use in preventing or treating psychotic disorders)

IT Mental disorder

> (psychosis; Ph carbamate compds. for use in preventing or treating psychotic disorders)

IT 194085-58-0 194085-75-1

> RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(Ph carbamate compds. for use in preventing or treating psychotic disorders)

IT

Brain, disease

```
L26 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN
                         2002:675828 CAPLUS
ACCESSION NUMBER:
DOCUMENT NUMBER:
                         137:179912
                         Phenyl carbamate compounds for use in preventing or
TITLE:
                         treating bipolar disorder
                         Plata-Salaman, Carlos R.; Zhao, Boyu; Twyman, Roy E.;
INVENTOR (S):
                         Choi, Yong Moon; Gordon, Robert
                         Ortho-McNeil Pharmaceutical, Inc., USA
PATENT ASSIGNEE(S):
SOURCE:
                         PCT Int. Appl., 24 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:
                         Patent
                         English
LANGUAGE:
FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
     PATENT NO.
                     KIND DATE
                                          APPLICATION NO. DATE
     _____
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                                                           _____
     WO 2002067924
                      A1
                            20020906
                                           WO 2002-US5425
                                                            20020221
         W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
             PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
             UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ,
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
             CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     US 2002193433
                      A1
                            20021219
                                          US 2002-81606
                                                            20020221
PRIORITY APPLN. INFO.:
                                        US 2001-271680P P
                                                            20010227
                                        US 2002-81606
                                                            20020221
OTHER SOURCE(S):
                         MARPAT 137:179912
REFERENCE COUNT:
                               THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
                               RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
     Phenyl carbamate compounds for use in preventing or treating
     bipolar disorder
AB
     This invention is directed to a method for preventing or treating
     bipolar disorder comprising administering to a subject in need
     thereof a therapeutically effective amt. of a compd. of formula I; wherein
     Ph is substituted at X with one to five halogen atoms selected from the
     group consisting of fluorine, chlorine, bromine and iodine; and, R1-R4 are
     independently selected from the group consisting of hydrogen and C1-C4
     alkyl; wherein C1-C4 alkyl is optionally substituted with Ph (wherein Ph
     is optionally substituted with substituents independently selected from
     the group consisting of halogen, C1-C4 alkyl, C1-C4 alkoxy, amino, nitro
     and cyano). Bipolar disorder is selected from the group
     consisting of bipolar disorder type I, bipolar
     disorder type II, cyclothymic disorder, rapid cycling, ultradian cycling,
     bipolar depression, acute mania, mania, mixed mania, hypomania and
     episodes assocd. with bipolar disorder. These compds., e.g. I
     (X = ortho-Cl, R1-R4 = H), were tested in rats for treatment against
     bipolar disorder and the therapeutically effective amt. is about
     0.01 mg/Kg/dose to about 100 mg/Kg/dose.
ST
     human kindling muscle nervous system bipolar disorder phenyl
     carbamate; brain kindling muscle nervous system bipolar disorder
     phenyl carbamate
     Human
     Muscle .
     Muscle, disease
     Nervous system
     Nervous system, disease
        (Ph carbamate compds. for use in preventing or treating bipolar
        disorder)
IT
     Mental disorder
        (bipolar disorder; Ph carbamate compds. for use in preventing
        or treating bipolar disorder)
```

(kindling; Ph carbamate compds. for use in preventing or treating bipolar disorder)

IT Mental disorder

(mania; Ph carbamate compds. for use in preventing or treating bipolar disorder)

IT 194085-58-0

PATENT INFORMATION:

APPLICATION INFO.:

AB

SUMM

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(Ph carbamate compds. for use in preventing or treating bipolar disorder)

L26 ANSWER 3 OF 4 USPATFULL on STN

ACCESSION NUMBER: 2002:338065 USPATFULL

TITLE: Carbamate compounds for use in preventing or treating

bipolar disorder

INVENTOR(S): Plata-Salaman, Carlos R., Ambler, PA, UNITED STATES

Zhao, Boyu, Lansdale, PA, UNITED STATES
Twyman, Roy E., Doylestown, PA, UNITED STATES
Choi, Yong Moon, Towaco, NJ, UNITED STATES
Gordon, Robert, Robbinsville, NJ, UNITED STATES

NUMBER KIND DATE
-----US 2002193433 A1 20021219
US 2002-81606 A1 20020221 (10)

NUMBER DATE

PRIORITY INFORMATION: US 2001-271680P 20010227 (60)

DOCUMENT TYPE: Utility FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: AUDLEY A. CIAMPORCERO JR., JOHNSON & JOHNSON, ONE

JOHNSON & JOHNSON PLAZA, NEW BRUNSWICK, NJ, 08933-7003

NUMBER OF CLAIMS: 17 EXEMPLARY CLAIM: 1 LINE COUNT: 577

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

TI Carbamate compounds for use in preventing or treating bipolar disorder

This invention is directed to a method for preventing or treating bipolar disorder comprising administering to a subject in need thereof a therapeutically effective amount of an enantiomer of Formula (I) or. . .

[0002] This invention is directed to a method for use of a carbamate compound in preventing or treating **bipolar** disorder. More particularly, this invention is directed to a method for use of a halogenated 2-phenyl-1,2-ethanediol dicarbamate enantiomer or

enantiomeric mixture wherein one enantiomer predominates for preventing or treating bipolar disorder. [0003] Bipolar disorder is a progressive psychiatric disorder SUMM (F. Goodwin and K. R. Jamison, Manic-Depressive Illness, Oxford University Press, New York, 1990). Bipolar disorder is characterized by recurrent episodes of changes in mood. The episodes may exhibit symptoms of mania, hypomania (less severe form of mania), depression, or a combination of mania and depression (Bipolar Disorder, Cognos Study #53, Decision Resources, March 2000). Bipolar disorder type I features more manic or mixed mood symptoms, while bipolar disorder type II is distinguished by primarily depressive episodes but also by spontaneous hypomanic episodes (Diagnostic and Statistical Manual of Mental Disorders, Edition 4, American Psychiatric Association, Washington DC, 1994; Bipolar Disorder, Cognos Study #53, Decision Resources, March 2000; Akiskal H. S., Bourgeois M. L., Angst J., Post R., Moller H., Hirschfeld R., Re-evaluating the prevalence of

bipolar disorders, J. Affect. Disord., 2000, 59 (Suppl 1),
S5-S30). Acute mania is associated with an elevated or irritable mood
and. . . J., Post R., Moller H., Hirschfeld R., Re-evaluating the

and diagnostic composition within the broad clinical spectrum of

prevalence of and diagnostic composition within the broad clinical

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spectrum of bipolar disorders, J. Affect. Disord., 2000, 59
 (Suppl 1), S5-S30). Cyclothymic disorder is an attenuated
bipolar disorder characterized by frequent short cycles of
 subsyndromal depression and hypomanic episodes (Diagnostic and
Statistical Manual of Mental Disorders, Edition.
 [0004] Recurrences of bipolar disorder illness have been
hypothesized to be caused by electrophysiologic/neurophysiologic
kindling (F. Goodwin and K. R. Jamison, Manic-
Depressive Illness, Oxford University Press, New York, pp
 405-407,1990; Ghaemi S. N., Boiman E. E., Goodwin F. K., Kindling and
 second messengers: an approach to the neurobiology of recurrence in
bipolar disorder, Biol. Psychiatry, 1999, 45(2), 137-44; Stoll
A. L., Severus W. E., Mood stabilizers: shared mechanisms of action at
postsynaptic signal-transduction and kindling processes, Harv. Rev.
Psychiatry, 1996, 4(2), 77-89; Goldberg J. F., Harrow M., Kindling in
bipolar disorders: a longitudinal follow-up study, Biol.
Psychiatry, 1994, 1; 35(1), 70-2).
 [0005] Mood stabilizers are used to treat bipolar disorder
 (Sadock B. J., Sadock B. A., Post RM. Treatment of bipolar
 disorders, Comprehensive Textbook of Psychiatry, 2000, vol. 1,
1385-1430). Established mood stabilizers exhibit anti-kindling effects
 (Stoll A. L., Severus W.. . . Psychiatry, 1996, 4(2), 77-89).
Anticonvulsants and anti-epileptics which show anti-kindling effects are
 important alternatives and adjuncts in the treatment of bipolar
 illness (Post R. M., Denicoff K. D., Frye M. A., Dunn R. T., Leverich G.
                                stabilizers in the last two decades of
 S., Osuch E., Speer A.,. . .
 the 20th century, Neuropsychobiology, 1998, 38(3), 152-66; Janowsky D.
 S., New Treatments of Bipolar Disorder, Curr. Psychiatry Rep.,
 1999, 1(2), 111-113) including in rapid cycling bipolar
 disorder (Shelton M. D., Calabrese J. R., Current Concepts in Rapid
Cycling Bipolar Disorder, Curr. Psychiatry Rep., 2000, 2(4),
 310-315) and in the treatment and prevention of acute mania (Lennkh C.,
Simhandl C., Current aspects of valproate in bipolar disorder,
 Int. Clin. Psychopharmacol, 2000, 15(1), 1-11; Tohen M., Grundy S.,
Management of acute mania, J. Clin. Psychiatry, 1999, 60. . . S.,
Printz D. J., Kahn D. A., Carpenter D., Docherty J. P., The Expert
Consensus Guideline Series: Medication Treatment of Bipolar
Disorder 2000. Postgrad. Med., 2000, Spec No:1-104).
      . enantiomeric mixture wherein one enantiomer of Formula (I)
predominates has not been previously described as useful for preventing
or treating bipolar disorder. Recent preclinical studies have
 revealed previously unrecognized pharmacological properties which
 suggest that an enantiomer of Formula (I) or enantiomeric mixture
wherein one enantiomer of Formula (I) predominates is useful in
preventing or treating bipolar disorder. Therefore, it is an
object of the present invention to teach a method for use of an
 enantiomer of Formula (I) or enantiomeric mixture wherein one enantiomer
of Formula (I) predominates in preventing or treating bipolar
 disorder.
 [0014] The present invention is directed to a method for preventing or
 treating bipolar disorder comprising administering to a
 subject in need thereof a therapeutically effective amount of an
 enantiomer of Formula (I) or.
 [0018] Embodiments of the invention include a method for preventing or
 treating bipolar disorder comprising administering to a
 subject in need thereof a therapeutically effective amount of a
pharmaceutical composition comprising a pharmaceutically.
       . or enantiomeric mixture wherein one enantiomer of Formula (I)
predominates for the preparation of a medicament for preventing or
 treating bipolar disorder in a subject in need thereof.
[0021] The present invention is directed to a method for preventing or
 treating bipolar disorder comprising administering to a
 subject in need thereof a therapeutically effective amount of an
enantiomer of Formula (I) or.
 [0025] An embodiment of the invention includes a method for slowing or
delaying the progression of bipolar disorder comprising
administering to a subject in need thereof a therapeutically effective
 amount of an enantiomer of Formula (I) or.
 [0036] An embodiment of the present method includes a method for
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SUMM

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preventing or treating **bipolar** disorder comprising administering to a subject in need thereof a therapeutically effective amount of an enantiomer of Formula (Ib) or. . .

SUMM [0038] An embodiment of the invention includes a method for slowing or delaying the progression of **bipolar** disorder comprising administering to a subject in need thereof a therapeutically effective amount of an enantiomer of Formula (Ib).

SUMM [0043] The present invention contemplates a method for preventing or treating bipolar disorder in a subject in need thereof.

Bipolar disorder includes, and is not limited to,
bipolar disorder type I, bipolar disorder type II,
cyclothymic disorder, rapid cycling, ultradian cycling, bipolar depression, acute mania, mania, mixed mania, hypomania or episodes associated with bipolar disorder.

SUMM . . . or enantiomeric mixture wherein one enantiomer of Formula (I) predominates for the preparation of a medicament for preventing or treating **bipolar** disorder.

SUMM . . . Formula (I) predominates or a pharmaceutical composition thereof in combination with one or more agents useful in preventing or treating bipolar disorder.

SUMM . . . Formula (I) or enantiomeric mixture wherein one enantiomer of Formula (I) predominates or pharmaceutical composition thereof for preventing or treating **bipolar** disorder is administered orally or parenterally.

DETD . . . of Formula (I) (or an enantiomeric mixture wherein one enantiomer of Formula (I) predominates) for use in preventing or treating bipolar disorder was evaluated in the following experimental examples which are intended to be a way of illustrating but not limiting. . .

DETD . . . kindling model (Lothman E W, et al., Epilepsy Res., 1988, 2(6) 367-79), adult male Sprague-Dawley rats are surgically implanted with bipolar electrodes. Seizure score is assessed as follows: (1) mouth and facial movements; (2) above symptoms plus head nodding; (3) above. . .

CLM What is claimed is:

- 1. A method for preventing or treating bipolar disorder comprising administering to a subject in need thereof a therapeutically effective amount of an enantiomer of Formula (I) or. . . 14. The method of claim 1 wherein bipolar disorder is selected from the group consisting of bipolar disorder type I, bipolar disorder type II cyclothymic disorder, rapid cycling, ultradian cycling, bipolar depression, acute mania, mania, mixed mania, hypomania and episodes associated with bipolar disorder.
- 16. The method of claim 1 wherein the method is a method for slowing or delaying the progression of **bipolar** disorder comprising administering to a subject in need thereof a therapeutically effective amount of an enantiomer of Formula (I) or. . .

IT 194085-58-0

(Ph carbamate compds. for use in preventing or treating bipolar disorder)

L26 ANSWER 4 OF 4 USPATFULL on STN

ACCESSION NUMBER: 2002:295223 USPATFULL

TITLE: CARBAMATE COMPOUNDS FOR USE IN PREVENTING OR TREATING

PSYCHOTIC DISORDERS

INVENTOR(S): Plata-Salaman, Carlos R., Ambler, PA, UNITED STATES

Zhao, Boyu, Lansdale, PA, UNITED STATES

Twyman, Roy E., Doylestown, PA, UNITED STATES

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2002165272	A1	20021107	
	US 6541513	B2	20030401	
APPLICATION INFO.:	US 2002-81761	A1	20020221	(10)

NUMBER DATE

PRIORITY INFORMATION: US 2001-271889P 20010227 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: AUDLEY A. CIAMPORCERO JR., JOHNSON & JOHNSON, ONE

JOHNSON & JOHNSON PLAZA, NEW BRUNSWICK, NJ, 08933-7003

NUMBER OF CLAIMS: 22 EXEMPLARY CLAIM: 1 LINE COUNT: 733

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

TI CARBAMATE COMPOUNDS FOR USE IN PREVENTING OR TREATING **PSYCHOTIC** DISORDERS

AB This invention is directed to a method for preventing or treating psychotic disorders comprising administering to a subject in need thereof a therapeutically effective amount of a compound selected from the group. . .

SUMM [0002] This invention is directed to a method for use of a carbamate compound in preventing or treating **psychotic** disorders. More particularly, this invention is directed to a method for use of halogenated 2-phenyl-1,2-ethanediol monocarbamate or dicarbamate compounds for preventing or treating **psychotic** disorders.

[0003] Psychotic disorders are those that are predominantly SUMM characterized by psychosis. Psychosis is an impairment of mental functioning to the extent that. . . it interferes grossly with an individual's ability to meet the ordinary demands of life. According to the American Psychiatric Association, psychotic means grossly impaired, in terms of reality testing. Such testing would define gross impairment as existing when individuals incorrectly evaluate. their perceptions and thoughts and make incorrect inferences about external reality, even in the face of contrary evidence. The term psychotic is also appropriate when behavior is so disorganized that it is reasonable to infer that results of reality testing would. the person that the speech is not understandable or by the agitated, inattentive and disoriented behavior observed in the phencyclidine psychotic disorder (Diagnostic and Statistical Manual of Mental Disorders, Ed. 4.sup.th, American Psychiatric Association, Washington, D.C. 1994; Kaplan & Sadock's Comprehensive.

SUMM [0004] Psychotic disorders include, and are not limited to, schizophrenia, schizophreniform disorder, schizoaffective disorder, delusional disorder, brief psychotic disorder, shared psychotic disorder due to a general medical condition, substance-induced psychotic disorder or psychotic disorder not otherwise specified (Diagnostic and Statistical Manual of Mental Disorders, Ed. 4.sup.th, American Psychiatric Association, Washington, D.C. 1994).

SUMM [0005] Schizophrenia is any of a group of **psychotic** disorders usually characterized by withdrawal from reality, illogical patterns of thinking, delusions and hallucinations and accompanied in varying degrees by. . .

SUMM . . . Bull., 2000, 51 (1), 75-81; Wettstein J G, Host M, Hitchcock J M, Selectivity of action of typical and atypical anti-psychotic drugs as antagonists of the behavioral effects of 1-[2,5-dimethoxy-4-iodophenyl]-2-aminopropane (DOI), Prog. Neuropsychopharmacol. Biol. Psychiatry, 1999, 23 (3), 533-44). In the. . . non-antipsychotic drugs were generally inactive (Wettstein J G, Host M, Hitchcock J M, Selectivity of action of typical and atypical anti-psychotic drugs as antagonists of the behavioral effects of 1-[2,5-dimethoxy-4-iodophenyl]-2-aminopropane (DOI), Prog. Neuropsychopharmacol. Biol. Psychiatry, 1999 April 23 (3), 533-44).

SUMM . . . 2-phenyl-1,2-ethanediol carbamate compounds of Formula (I) or Formula (II) have not been previously described as useful for preventing or treating psychotic disorders. Recent preclinical studies have revealed previously unrecognized pharmacological properties which suggest that a compound of Formula (I) or Formula (II) is useful in preventing or treating psychotic disorders. Therefore, it is an object of the present invention to teach a method for use of a compound of Formula (I) or Formula (II) in preventing or treating psychotic disorders.

SUMM [0019] The present invention is directed to a method for preventing or treating psychotic disorders comprising administering to a

subject in need thereof a therapeutically effective amount of a compound selected from the group. . .

SUMM [0023] Embodiments of the invention include a method for preventing or treating psychotic disorders comprising administering to a subject in need thereof a therapeutically effective amount of a pharmaceutical composition comprising a pharmaceutically. . .

SUMM . . . from the group consisting of Formula (I) and Formula (II) for the preparation of a medicament for preventing or treating psychotic disorders in a subject in need thereof.

SUMM [0026] The present invention is directed to a method for preventing or treating psychotic disorders comprising administering to a subject in need thereof a therapeutically effective amount of a compound selected from the group. . .

SUMM [0042] An embodiment of the present method includes a method for preventing or treating **psychotic** disorders comprising administering to a subject in need thereof a therapeutically effective amount of an enantiomer selected from the group. . .

SUMM [0048] The present invention contemplates a method for preventing or treating psychotic disorders in a subject in need thereof.

Psychotic disorders include, and are not limited to, schizophrenia, schizophreniform disorder, schizoaffective disorder, delusional disorder, brief psychotic disorder, shared psychotic disorder, psychotic disorder due to a general medical condition, substance-induced psychotic disorder or psychotic disorder not otherwise specified. More particularly, schizophrenia includes, and is not limited to, paranoid schizophrenia, hebephrenic schizophrenia, catatonic schizophrenia, undifferentiated. . .

SUMM . . . from the group consisting of Formula (I) and Formula (II) for the preparation of a medicament for preventing or treating psychotic disorders.

SUMM . . . and Formula (II) or a pharmaceutical composition thereof in combination with one or more agents useful in preventing or treating psychotic disorders.

SUMM . . . post-periodic dosing may be employed. Preferably, a compound of Formula (I) or Formula (II) or pharmaceutical composition thereof for treating **psychotic** disorders is administered orally or parenterally.

DETD [0065] The activities of a compound of Formula (I) and Formula (II) for use in preventing or treating **psychotic** disorders were evaluated in the following experimental example which is intended to be a way of illustrating but not limiting. . .

CLM What is claimed is:

1. A method for preventing or treating psychotic disorders comprising administering to a subject in need thereof a therapeutically effective amount of a compound selected from the group. . . 5. A method for preventing or treating psychotic disorders comprising administering to a subject in need thereof a therapeutically effective amount of an enantiomer selected from the group. . . 20. The method as in claims 1 or 5 wherein psychotic disorders are selected from schizophrenia, schizophreniform disorder, schizoaffective disorder, delusional disorder, brief psychotic disorder, shared psychotic disorder, psychotic disorder due to a general medical condition, substance-induced psychotic disorder or psychotic disorder not otherwise specified.

IT 194085-58-0 194085-75-1

(Ph carbamate compds. for use in preventing or treating psychotic disorders)

SINCE FILE ENTRY TOTAL

0.21

SESSION 0.21

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 15:14:09 ON 02 SEP 2003 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 1 SEP 2003 HIGHEST RN 577691-42-0 DICTIONARY FILE UPDATES: 1 SEP 2003 HIGHEST RN 577691-42-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details: http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> s 194085580p/rn

L1 0 194085580P/RN

=> s 194085-67-1p/rn

L2 0 194085-67-1P/RN

=> s 19408558-0/rn

INCONSISTENT NUMERIC RANGE EXPRESSION '19408558-0' The lower limit in a numeric range must be given before the upper limit. For example, '5-1/C' is not valid. The correct form is '1-5/C'.

=> s 194085-58-0/rn

L3 🕽 1 194085-58-0/RN

=> d 13

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN

RN 194085-58-0 REGISTRY

CN 1,2-Ethanediol, 1-(2-chlorophenyl)-, dicarbamate, (1R)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,2-Ethanediol, 1-(2-chlorophenyl)-, dicarbamate, (R)-

FS STEREOSEARCH

MF C10 H11 Cl N2 O4

SR CA

LC STN Files: CA, CAPLUS, CASREACT, USPAT7ULL

Absolute stereochemistry. Rotation (+).

10 REFERENCES IN FILE CA (1937 TO DATE)

10 REFERENCES IN FILE CAPLUS (1937 TO DATE)

=> s 194085-67-1/rn

L4 1 194085-67-1/RN

=> d 14

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN

RN 194085-67-1 REGISTRY

CN Carbamic acid, (1-methylethyl)-, (1R)-2-[(aminocarbonyl)oxy]-1-(2-chlorophenyl)ethyl ester (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Carbamic acid, (1-methylethyl)-, 2-[(aminocarbonyl)oxy]-1-(2-

chlorophenyl)ethyl ester, (R)-

FS STEREOSEARCH

MF C13 H17 C1 N2 O4

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry. Rotation (+).

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1937 TO DATE)

3 REFERENCES IN FILE CAPLUS (1937 TO DATE)

=> s 194085-57-9/rn

L5 1 194085-57-9/RN

=> d 15

L5 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN

RN 194085-57-9 REGISTRY

CN 1,2-Ethanediol, 1-(2-chlorophenyl)-, dicarbamate (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C10 H11 C1 N2 O4

SR CA

LC STN Files: CA, CAPLUS, CASREACT, USPATFULL

- 4 REFERENCES IN FILE CA (1937 TO DATE)
- 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
- 4 REFERENCES IN FILE CAPLUS (1937 TO DATE)

=> s 194085-61-5/rn

L6 1 194085-61-5/RN

=> d 16

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN

RN 194085-61-5 REGISTRY

CN 1,2-Ethanediol, 1-(4-chlorophenyl)-, dicarbamate (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C10 H11 Cl N2 O4

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 3 REFERENCES IN FILE CA (1937 TO DATE)
- 3 REFERENCES IN FILE CAPLUS (1937 TO DATE)

=> s 194085-64-8/rn

1 194085-64-8/RN

=> d 17

L7 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN

RN 194085-64-8 REGISTRY

CN 1,2-Ethanediol, 1-(2,6-dichlorophenyl)-, dicarbamate (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C10 H10 Cl2 N2 O4

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

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3 REFERENCES IN FILE CA (1937 TO DATE)
                3 REFERENCES IN FILE CAPLUS (1937 TO DATE)
=> s 194085-68-2/rn
             1 194085-68-2/RN
L8
=> d 18
     ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN
L8
RN
     194085-68-2 REGISTRY
     Carbamic acid, cyclopropyl-, (1R)-2-[(aminocarbonyl)oxy]-1-(2-
CN
     chlorophenyl) ethyl ester (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
     Carbamic acid, cyclopropyl-, 2-[(aminocarbonyl)oxy]-1-(2-
     chlorophenyl) ethyl ester, (R) -
FS
     STEREOSEARCH
MF
     C13 H15 Cl N2 O4
SR
     CA
LC
     STN Files: CA, CAPLUS, USPATFULL
Absolute stereochemistry. Rotation (+).
       H<sub>2</sub>N
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**
               3 REFERENCES IN FILE CA (1937 TO DATE)
               3 REFERENCES IN FILE CAPLUS (1937 TO DATE)
=> s 194085-71-7/rn
L9
             1 194085-71-7/RN
=> d 19
     ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN
L9
RN
     194085-71-7 REGISTRY
CN
     1,2-Ethanediol, 1-(2-chlorophenyl)-, bis(phenylcarbamate), (1R)- (9CI)
```

1,2-Ethanediol, 1-(2-chlorophenyl)-, bis(phenylcarbamate), (R)-

CA, CAPLUS, USPATFULL

Absolute stereochemistry.

(CA INDEX NAME)
OTHER CA INDEX NAMES:

C22 H19 Cl N2 O4

STEREOSEARCH

STN Files:

CN FS

MF

SR

CA

3 REFERENCES IN FILE CA (1937 TO DATE)

3 REFERENCES IN FILE CAPLUS (1937 TO DATE)

=> s 194085-60-4/rn

L10 . 1 194085-60-4/RN

=> d 110

L10 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN

RN 194085-60-4 REGISTRY

CN 1,2-Ethanediol, 1-(3-chlorophenyl)-, dicarbamate (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C10 H11 Cl N2 O4

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1937 TO DATE)

3 REFERENCES IN FILE CAPLUS (1937 TO DATE)

=> s 194085-60-4/rn

1 194085-60-4/RN

=> d l11

L11 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN

N **194085-60-4** REGISTRY

CN 1,2-Ethanediol, 1-(3-chlorophenyl)-, dicarbamate (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C10 H11 C1 N2 O4

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

3 REFERENCES IN FILE CA (1937 TO DATE)

3 REFERENCES IN FILE CAPLUS (1937 TO DATE)

=> s 194085-61-5/rn

L12 1 194085-61-5/RN

=> d 112

L12 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN

RN 194085-61-5 REGISTRY

CN 1,2-Ethanediol, 1-(4-chlorophenyl)-, dicarbamate (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C10 H11 C1 N2 O4

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1937 TO DATE)

3 REFERENCES IN FILE CAPLUS (1937 TO DATE)

=> s 194085-62-6/rn

L13 1 194085-62-6/RN

=> d 113

L13 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN

RN **194085-62-6** REGISTRY

CN 1,2-Ethanediol, 1-(4-chlorophenyl)-, dicarbamate, (1R)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,2-Ethanediol, 1-(4-chlorophenyl)-, dicarbamate, (R)-

FS STEREOSEARCH

MF C10 H11 Cl N2 O4

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry. Rotation (-).

3 REFERENCES IN FILE CA (1937 TO DATE)

3 REFERENCES IN FILE CAPLUS (1937 TO DATE)

=> s 194085-63-7/rn

1 194085-63-7/RN

=> d l14

L14 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN

194085-63-7 REGISTRY

1,2-Ethanediol, 1-(4-chlorophenyl)-, dicarbamate, (1S)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

1,2-Ethanediol, 1-(4-chlorophenyl)-, dicarbamate, (S)-CN

FS STEREOSEARCH

MF C10 H11 Cl N2 O4

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry. Rotation (+).

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1937 TO DATE)

3 REFERENCES IN FILE CAPLUS (1937 TO DATE)

=> s 194085-64-8/rn

L15 1 194085-64-8/RN

=> d l15

L15 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN

194085-64-8 REGISTRY

RNCN 1,2-Ethanediol, 1-(2,6-dichlorophenyl)-, dicarbamate (9CI) (CA INDEX NAME)

3D CONCORD FS

MF C10 H10 Cl2 N2 O4

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

- 3 REFERENCES IN FILE CA (1937 TO DATE)
- 3 REFERENCES IN FILE CAPLUS (1937 TO DATE)

=> s 194085-65-9/rn

L16 1 194085-65-9/RN

=> d 116

L16 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN

RN 194085-65-9 REGISTRY

CN 1,2-Ethanediol, 1-(2,6-dichlorophenyl)-, dicarbamate, (1R)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,2-Ethanediol, 1-(2,6-dichlorophenyl)-, dicarbamate, (R)-

FS STEREOSEARCH

MF C10 H10 Cl2 N2 O4

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry. Rotation (+).

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 3 REFERENCES IN FILE CA (1937 TO DATE)
- 3 REFERENCES IN FILE CAPLUS (1937 TO DATE)

=> s 194085-66-0/rn

L17 1 194085-66-0/RN

=> d 117

L17 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN

RN 194085-66-0 REGISTRY

I,2-Ethanediol, 1-(2-chlorophenyl)-, 2-carbamate 1-(methylcarbamate),

(1R) - (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,2-Ethanediol, 1-(2-chlorophenyl)-, 2-carbamate 1-(methylcarbamate), (R)-

FS STEREOSEARCH

MF , C11 H13 Cl N2 O4

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry. Rotation (+).

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 3 REFERENCES IN FILE CA (1937 TO DATE)
- 3 REFERENCES IN FILE CAPLUS (1937 TO DATE)

=> s 194085-68-2/rn

L18 1 194085-68-2/RN

=> d 118

L18 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN

RN 194085-68-2 REGISTRY

CN Carbamic acid, cyclopropyl-, (1R)-2-[(aminocarbonyl)oxy]-1-(2-chlorophenyl)ethyl ester (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Carbamic acid, cyclopropyl-, 2-[(aminocarbonyl)oxy]-1-(2chlorophenyl)ethyl ester, (R)-

FS STEREOSEARCH

MF C13 H15 Cl N2 O4

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry. Rotation (+).

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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 3 REFERENCES IN FILE CA (1937 TO DATE)
- 3 REFERENCES IN FILE CAPLUS (1937 TO DATE)

=> s 194085-69-3/rn

L19 1 194085-69-3/RN

=> d l19

L19 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN

RN 194085-69-3 REGISTRY

CN 1,2-Ethanediol, 1-(2-chlorophenyl)-, bis(methylcarbamate), (1R)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,2-Ethanediol, 1-(2-chlorophenyl)-, bis(methylcarbamate), (R)
FS STEREOSEARCH

MF C12 H15 C1 N2 O4

SR CA

Absolute stereochemistry.

STN Files:

LC

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

CA, CAPLUS, USPATFULL

3 REFERENCES IN FILE CA (1937 TO DATE)

3 REFERENCES IN FILE CAPLUS (1937 TO DATE)

=> s 194085-70-6/rn L20 1 194085-70-6/RN

=> d 120

L20 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN

RN 194085-70-6 REGISTRY

CN Carbamic acid, (1-methylethyl)-, (1R)-1-(2-chlorophenyl)-1,2-ethanediyl ester (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF . C16 H23 Cl N2 O4

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry. Rotation (+).

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1937 TO DATE)

3 REFERENCES IN FILE CAPLUS (1937 TO DATE)

=> s 194085-71-7/rn L21 1 194085-71-7/RN ⇒> d 121

L21 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN

RN 194085-71-7 REGISTRY

CN 1,2-Ethanediol, 1-(2-chlorophenyl)-, bis(phenylcarbamate), (1R)- (9CI)

(CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,2-Ethanediol, 1-(2-chlorophenyl)-, bis(phenylcarbamate), (R)-

FS STEREOSEARCH

MF C22 H19 Cl N2 O4

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1937 TO DATE)

3 REFERENCES IN FILE CAPLUS (1937 TO DATE)

=> s 194085-72-8/rn

L22 1 194085-72-8/RN

=> d 122

L22 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN

RN 194085-72-8 REGISTRY

CN Carbamic acid, (phenylmethyl)-, (1R)-1-(2-chlorophenyl)-1,2-ethanediyl

ester (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C24 H23 Cl N2 O4

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 3 REFERENCES IN FILE CA (1937 TO DATE)
- 3 REFERENCES IN FILE CAPLUS (1937 TO DATE)